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1349.183 Million cell updates/sec
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	LICTMAN D.R., MAGGON "COTTRECTED CD4 SEQUENCE FROM N.A. MEDLINE-96303695; Pu Ansari-Lari M.A., Mu Malley T., Gibbs R.A. "A gene-rich cluster genes at human chrom Genome Res. 6:314-32: [4] SEQUENCE FROM N.A., MEDLINE-91216786; Pu HOdge T.W., Sasso D.; "Humans with OXT4-en	Name=CD4; Homo sapiens ( Eukaryota; Met Mammalia; Euth MCBI_TaxID=960 [1] SEQUENCE FROM: MEDLINE=852549 MEDLINE=852549 Maddon P. J., "The isolation surface protei Cell 42:93-104 [2] REVISION TO 26 REVISION TO 26 REDLINE=890286	HUMAN 30; UL-198; OV-198; AN-200; 11 sur	400 398 397 397 395 395 398 398 388 383 383 383 383 383
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Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J., Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H., Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W., Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A., Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A., Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G., Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C., Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.; "Generation and initial analysis of more than 15,000 full-length human and mouse CNNA segmences".
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J. Biol. Chem. 264:21286-21295(1989).
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"Cloning and sequences of primate CD4 molecules: diversity of cellular receptor for simian immunodeficiency virus/human immunodeficiency virus.";
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                                                                                  MEDLINE=97311402; PubMed=9168119; Wu H., Kwong P.D., Hendrickson W. "Dimeric association and segmenta human CD4.";
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Rosenberg M., Dai
Hendrickson W.A.;
                                                                                                                                                                                                                                                        X-RAY CRYSTALLOGRAPHY (2.3 ANGSTROMS) OF 26-208.
MEDLINE=91061882; PubMed=2247146; DOI=10.1038/348419a0;
Ryu S.-E., Kwong P.D., Truneh A., Porter T.G., Arthos J.,
Rosenberg M., Dai X., Xuong N.-H., Axel R., Sweet R.W.,
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SER-433; 438-LEU-LEU-439 AND
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 MEDLINE=92317088; Pu
Crise B., Rose J.K.;
                                                                                                                                                                                                                                                                                                                                                Nature 348:411-418(1990).
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MEDLINE-91061881; PubMed=1711030; DOI=10.1038/348411a0;
                                                                      Nature 387:527-530(1997).
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                                  PALMITOYLATION
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                     PubMed=1618861;
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J. Biol. Chem. 267:13593-13597(1992)
-!- FUNCTION: Accessory protein for
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BL; W351609.1; -.
BL; BC025782; AAH25782.1; -.
R; A90872; RWHUT4.
R; A90872; RWHUT4.
B; ICDH; X-ray; @=26-203.
B; ICDL; X-ray; @=26-203.
B; ICDY; X-ray; @=26-203.
B; ICDY; X-ray; @=26-203.
B; ICDY; X-ray; C=26-210.
B; IGM; X-ray; C=26-210.
B; IGM; X-ray; C=26-210.
B; IGM; X-ray; C=26-210.
B; IGM; X-ray; D=26-203.
B; IJL4; X-ray; D=26-203.
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   CD4 PANTR
P16004;
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                                                                                                                                                                                                                            T4/Leu-3).
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01-APR-1990 (Rel. 14, Last sequence update)
05-UTL-2004 (Rel. 44, Last annotation update)
T-cell surface glycoprotein CD4 precursor (T-cell surface
                                                                                           TISSUE=Blood;
MEDLINE=93049640; PubMed=1425921;
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Camerini D., Seed
                                                                                                                                                                                            Pan troglodytes (Chimpanzee).
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae
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Pred. No. 2.8e
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Ig-like C2-type 1.
                                                                                                                                                                                                                                                                            PRT;
                                                                                                                                                             DOI=10.1016/0092-8674(90)90089-W;
                                                                                                                                                                                                                                                                             458
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InterFro;
Pfam; PF00047; 1g; 2.
Pfam; PF00047; 1G; 2.
PRLNTS; PR00692; CD4TCANTIGEN.
SMART; SM00406; IGv; 1.
PROSITE; PS50835; IG_LIKE; 1.
PROSITE; PS50835; IG_LIKE; 1.
PROSITE; PS50835; Immune response; Immunoglobulin domain;
Prosite in; Immune response; Immunoglobulin domain;
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GO; GO:0042101
GO; GO:0015026
GO; GO:0042289
GO; GO:0006955
GO; GO:0045086
GO; GO:0030217
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DIGIT
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InterPro; IPR000973; CD4_TCAg.
InterPro; IPR007110; Ig-like.
InterPro; IPR003596; Ig_v.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    or send an email to license@isb-sib.ch).
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GO:0042103; F:coreceptor activity; ISS.
GO:0042209; F:MC class II protein binding; ISS.
GO:0006955; P:immune response; ISS.
GO:0045086; P:positive regulation of interleukin-2
GO:0045086; P:T-cell differentiation; ISS.
GO:0045086; P:T-cell selection; ISS.
GO:0045086; P:T-cell selection; ISS.
GO:0007159; P:transmembrane receptor protein tyrosi
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QAERASSSKSWITFDLKNKEVSVKRVTQDPKLQMGKKLPLHLTLPQALPQYAGSGNLTLA
                                                                       TWTCTVLQNQXKVEFKIDIVVLAFQKASSIVYKKEGEQVEFSFFLAFTVEKLTGSGELWW
                                                                                                                                           LVFGLTANSDTHLLQGQSLTLTLES PPGSSPSVQCRSPRGKNIQGGKTLSVSQLELQDSG
                                                                                                                                                                                                          ILGNQGSFLTKGPSKLNDRADSRRSLWDQGNFFLIIKNLKIEDSDTYICEVEDQKEEVQL
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                                                                                                                      LVFGLTANSDTHLLQGQSLTLTLESPPGSSPSVQCRSPRGKNIQGGKTLSVSQLELQDSG
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Ig-like C2-type 1.
Ig-like C2-type 2.
Ig-like C2-type 3.
N-linked (GlCNAc...)
N-linked (GlCNAc...)
By similarity.
By similarity.
By similarity.
By similarity.
S-palmitoyl cysteine (
S-palmitoyl cysteine (
T-> N (in Ref. 2).
L-> S (in Ref. 2).
K-> N (in Ref. 2).
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Pred. No. 1.6e-137;
0; Mismatches 6;
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Cytoplasmic (Potential).
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Extracellular (Potential).
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Mammalia; Eutheria; Primates; Catarrhini; Cercopithecidae;
Cercopithecinae; Macaca.
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15-JUL-1998 (Rel.
05-JUL-2004 (Rel.
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P79184;
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SEQUENCE FROM N.A.

Hashimoto O., Tatsumi M.;

Submitted (FEB-1997) to the EMBL/GenBank/DDBJ databases.

Submitted (FEB-1997) to the EMBL/GenBank/DDBJ databases.

FUNCTION: Accessory protein for MHC class-II antigen/T-cell receptor interaction. May regulate T-cell activation.

1- SUBUNIT: Associates with p56-Lck (By similarity).

1- SUBCELLULAR LOCATION: Type I membrane protein.

1- SUBCELLULAR CONTAINS 3 immunoglobulin-like C2-type domains.

1- SIMILARITY: Contains 3 immunoglobulin-like V-type domain.
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InterPro; IPR000973; CD4 TCAg.
InterPro; IPR007110; Ig-like.
InterPro; IPR003596; Ig_v.
                                                                                                                                                                                                                                                                                                                     PROSITE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GO:0042101; C:T-cell receptor complex; ISS.
GO:0015026; F:coreceptor activity; ISS.
GO:0042289; F:MHC class II protein binding; ISS.
GO:0045086; P:immune response; ISS.
GO:0045086; P:positive regulation of interleukin-2
GO:0030217; P:T-cell differentiation; ISS.
GO:0045058; P:T-cell selection; ISS.
GO:0047169; P:transmembrane receptor protein tyrosi
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PRO047; ig; 2.

PRO0692; CD4TCANTIGEN.

IT; SM00406; IGV; 1.

ITE; PS50835; IG LIKE; 1.

ITE; PS50835; IG LIKE; 1.

ITE; PS50835; IG LIKE; 1.

ITE; PS50816; Immune response; Immunoglobulin domain; Lipoprotein;

ITE; PS50835; IG LIKE; 1.

ITE; PS508
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36, Last sequence update)
44, Last annotation update)
vcnorotein CD4 precursor (T-cell
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125
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T-cell surface glycoprotein Cl
Extracellular (Potential).
Potential.
Cytoplasmic (Potential).
Ig-like V-type.
Ig-like C2-type 1.
Ig-like C2-type 2.
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01-APR-1990 (Rel. 14, Created)
28-FEB-2003 (Rel. 41, Last sequence update)
05-UUL-2004 (Rel. 44, Last annotation updat
T-cell surface glycoprotein CD4 precursor
                                                                                                                                   MEDLINE=90182664; PubMed=2107024; DOI=10.1016/0092-8674(90)90089-W; Camerini D., Seed B.;
"A CD4 domain important for HIV-mediated syncytium formation lies outside the virus binding site."; Cell 60:747-754(1990).
                                                                                                                                                                                                                                                                          Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eutele Mammalia; Eutheria; Primates; Catarrhini; Cercopithecidae; Cercopithecinae; Macaca.
NCBI_TaxID=9544;
TISSUE=Thymocytes;
Hashimoto O., Tatbumi M.;
"Molecular cloning and expression of macaque (
"Molecular cloning and the EMBL/GenBank/DDBJ
Submitted (JUN-1995) to the EMBL/GenBank/DDBJ
[3]
                                                                                                                                                                                                                                                                                                                                                           Macaca mulatta (Rhesus
                                                                                                                                                                                                                                                                                                                                                                                  Name=CD4;
                                                                                                                                                                                                                                                                                                                                                                                                 T4/Leu-3).
                                                                                                  SEQUENCE FROM N.A.
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By similarity.
By similarity.
By similarity.
S-palmitoyl cysteine (By si S-palmitoyl cysteine (By si GB3E7EF08185535 CRC64;
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Pred. No. 9.
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                               databases
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(By similarity).
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InterPro; IPR000973; CD4 TCAg.
InterPro; IPR0007110; Ig-Tike.
InterPro; IPR003596; Ig-V.
Pfam; PF00047; ig; 2.
PRINTS; PR00692; CD4TCANTIGEN.
SMART; SM00406; IGy; 1.
PROSITE; PS50835; IG LIKE; 1.
Glycoprotein; Immunn-response; Immunoglobulin domain; Palmitate; Repeat; Signal; T-cell; Transmembrane.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GÓ; GO:0042101; C:T-cell receptor complex; ISS.
GO; GO:0042289; F:coreceptor activity; ISS.
GO; GO:0042289; F:MHC class II protein binding; ISS.
GO; GO:0042289; F:immune response; ISS.
GO; GO:0006955; P:immune regulation of interleukin-2
GO; GO:0045086; P:D-cell differentiation; ISS.
GO; GO:0030217; F:T-cell differentiation; ISS.
GO; GO:0045089; P:T-cell selection; ISS.
GO; GO:0007159; P:transmembrane receptor protein tyrosi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EMBL; M31134; AAA36838.1; --
EMBL; D63347; BAA09671.1; --
EMBL; X73326; CAA51752.1; --
EMBL; X73326; CAA525129.1;
EMBL; AF057385; AAC25129.1;
HSSP; P01730; 1WBR.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation—the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entitles requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDLINE=98320644; PubMed=9656488; Harris E.E., Disotell T.R.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                mangabeys (Primates: Papionini
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE OF 107-192 FROM
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FUNCTION: Accessory protein for MHC class-II antigen/T-cell receptor interaction. May regulate T-cell activation.
SUBUNIT: Associates with p56-lck (By similarity).
SUBCLLULAR LOCATION: Type I membrane protein.
SYMILARITY: Contains 3 immunoglobulin-like C2-type domains.
SIMILARITY: Contains 1 immunoglobulin-like V-type domain.
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   t; Signal; T-cell; Transmembrane.

25

T-cell surface glycopy
396
Extracellular (Potential)
418
Potential.
418
Cytoplasmic (Potential)
125
Ig-like C2-type 1.
317
Ig-like C2-type 3.
374
Ig-like C2-type 3.
N-linked (GlcNAc...)
325
N-linked (GlcNAc...)
365
N-similarity.
By similarity.
By similarity.
370
S-palmitoyl cysteine (422
S-
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T-cell surface glycoprote:
Extracellular (Potential)
Potential.
Cytoplasmic (Potential).
Ig-like V-type.
Ig-like C2-type 1.
Ig-like C2-type 2.
Ig-like C2-type 3.
N-linked (GlcNAc. . .) (B.
N-linked (GlcNAc. . .) (B.
By similarity.
By similarity.
By similarity.
S-palmitoyl cysteine (By s-palmitoyl cysteine (By N-y Cysteine (By S-palmitoyl cysteine (By S-palmitoyl cysteine (By N-y T (in Ref. 1).
L-> S (in Ref. 2).
I-> L (in Ref. 2).
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similarity)
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Best Local S
Matches 356
                                                                                                                                                                                                                                                                                                                                                                                                                                                               MACFA
                                                                                                          Tatsumi M., Yabe M., Yamada Y.K.;

Submitted (FEB-1997) to the EMBL/GenBank/DDBJ databases.

-I- FUNCTION: Accessory protein for MHC class-II antigen/T-cell receptor interaction. May regulate T-cell activation.

-I- SUBUNIT: Associates with p56-lck (By similarity).

-I- SUBCELIULAR LOCATION: Type I membrane protein.

-I- SUBCILIULAR LOCATION: Type I membrane protein.

-I- SIMILARITY: Contains 3 immunoglobulin-like C2-type domains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CONFLICT
CONFLICT
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SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                    CD4 MACFA
P79185;
                                                                                                                                                                                                                                                                                                                                                                          15-JUL-1998 (Rel. 36, Created)
15-JUL-1998 (Rel. 36, Last sequence update)
05-JUL-2004 (Rel. 44, Last annotation update)
T-cell surface glycoprotein CD4 precursor (T-cell
                                                                                                                                                                                                                                                                                                     Macaca fascicularis (Crab eating macaque)
Eukaryota; Metazoa; Chordata; Craniata; V
Mammalia; Eutheria; Primates; Catarrhini;
                                                                                                                                                                                                                                                SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                        Cercopithecinae; Macaca.
NCBI_TaxID=9541;
                                                                                                                                                                                                                                                                                                                                                  Name=CD4;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        QABRASSSKSWITFDLKNKEVSVKRVTQDPKLQMGKKLPLHLTLPQALPQYAGSGNLTLA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MNRGVPFRHLLLVLQLALLPAATQGNKVVLGKKGDTVELTCTASQKKSIQFHWKNSNQIK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LNPEAGMWQCLLSDSGQVLLESNIKVVPTWPTPV
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Pred. No. 1.1e-126;
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5 -> P (in Ref. 2).
R -> Q (in Ref. 3).
A -> T (in Ref. 2).
8BB80339FAFEC808
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Matches 356
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InterPro; IPR00356;
Pfam; PF00047; 1g; 2.
PRINTS; PR00692; CD470
SMART; SM00406; IGV;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LIPID
SEQUENCE
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InterPro; IPR00973; CD4 TCAg.
InterPro; IPR007110; Ig-like.
InterPro; IPR003596; Ig_v.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GO; GO:0042101; C:T-cell receptor complex; ISS.
GO; GO:0015026; F:coreceptor activity; ISS.
GO; GO:0042289; F:MHC class II protein binding; ISS.
GO; GO:0042289; F:immune response; ISS.
GO; GO:0045086; P:positive regulation of interleukin-2 biosyn.
GO; GO:0030217; F:T-cell differentiation; ISS.
GO; GO:0030217; Cell differentiation; ISS.
GO; GO:0045089; P:T-cell selection; ISS.
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Palmitate; Repeat; Si
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Glycoprotein; Immune response; Immunoglobulin domain; Lipoprotein;
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HSSP; P01730; 1WBR.
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356; Conser
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LNPEAGMWQCLLSDSGQVLLESNIKVVPTWPTPV
                            LNPEAGMWQCLLSDSGQVLLESNIKVLPTWSTPV
                                                                                    LEAKTGKLHQEVNLVVMRATQLQKNLTCEVMGPTSPKLMLSLKLENKEAKVSKREKPVMV
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                                                                                                                                         QAERASSSKSWITFDLKNKEVSVKRVTQDPKLQMGKKLPLHLTLPQALPQYAGSGNLTLA
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                                                                     LEAKTGKLHQEVNLVVMRATQFQENLTCEVWGPTSPKLTLSLKLENKGTTVSKQAKAVWV
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458
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Cytoplasmic (Potential).

Ig-like V-type 1.

Ig-like C2-type 1.

Ig-like C2-type 2.

Ig-like C2-type 3.

N-linked (GlCNAc. . .) (Potential).

N-linked (GlCNAc. . .) (Bytoplasmic (BlCNAc. . .) (B
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Pred. No. 1.9e
16; Mismatches
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T-cell surface
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1es 22;
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394
                               394
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 458;
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(By similarity)
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(By similarity).
(By similarity).
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CD4 MACNE
ID CD4 MACNE
ID CD4 MACNE
ID CD4 MACNE
AC Q08340; P7
AC CETCOPITION
RN [1] TAND
RN [1] TAND
RN [1] TOMAIN
FT DOMAIN

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EMBL; X73325; C

HSSP; P01730; 1

GO; GO:0042101;

GO; GO:0042289;

GO; GO:0042289;

GO; GO:0042289;

GO; GO:0045086;

GO; GO:0045086;

GO; GO:0045086;

GO; GO:0000217;

GO; GO:0007169;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
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15-JUL-1998 (Rel.
05-JUL-2004 (Rel.
                                                                                                                                                                                                                                                                           PRINTS; PR00692; CD4TC SMART; SM00406; IGv; 1
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InterPro; IPR000973; CD4 TCAg.
InterPro; IPR007110; Ig-Tike.
InterPro; IPR003596; Ig_v.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE FROM N.A. Hashimoto O., Tatsumi Submitted (FEB-1997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Macaca nemestrina (Pig-tailed
Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      T4/Leu-3).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Q08340; P791
01-FEB-1995
                                                                                                                                                                                                                              Glycoprotein;
                                                                                                                                                                                                                                                                                                                      Pfam; PF00047; ig;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Fomsgaard A., Hirsch V.M., Johnson P.R.; "Cloning and sequences of primate CD4 molecules: diversity of the cellular receptor for simian immunodeficiency virus/human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Cercopithecinae; Macaca.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                T-cell surface
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                                                                                                                                                                                                           Palmitate;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDLINE=93049640; PubMed=1425921;
                                                                                                                                                                                                                                                                                                                                                                                                                                   GO:0045086; P:positive regulation of interleukin-2 biosyn. . GO:0030217; P:T-cell differentiation; ISS. GO:0045058; P:T-cell selection; ISS. GO:0007169; P:transmembrane receptor protein tyrosine kin. .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GO:0042101; C:T-cell receptor complex; ISS. GO:0015026; F:correceptor activity; ISS. GO:0042289; F:MfC class II protein binding; ISS. GO:0006255; P:immune response; ISS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             P79196;
                                                                                                                                                                                                                          PS50835; IG_LIKE; 1.
tein; Immune response; Immunoglobulin domain;
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                                                                                                                                                                                                           Repeat;
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                                                                                                                                                                                                                                                                                                     CD4TCANTIGEN.
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44, Last annotation updat
ycoprotein CD4 precursor
    Signal;
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to the
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                                                                                                                                                                                                           T-cell; Transmembrane.
Potential.

Cytoplasmic (Potential).

Ig-like V-type.

Ig-like C2-type 1.

Ig-like C2-type 2.

Ig-like C2-type 3.
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                                                                                                                    Celi, ....
Bimilarity.
T-cell surface glycoprotein
T-callular (Potential).
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Craniata; Vertebrata;
Catarrhini; Cercopithe
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Best Local S
Matches 354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1_CERAE
                                                                                                                                                                                                                                                                                                                                                      T-cell surface glycoprotein CD4 precursor (T-cell surface antigen T4/Leu-3).
                                                                                                                                                                                                                                                                                                                                                                                                        CD4_CERAE STANDARD; PRT; 458 AA (Q08338; 002805; 077593; Q28217; 01-FEB-1995 (Rel. 31, Created) 29-MAR-2004 (Rel. 43, Last sequence update) 05-JUL-2004 (Rel. 44, Last annotation update)
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CONFLICT

                                                                                              SEQUENCE FROM N.A. Hashimoto O., Tatsumi M. "Molecular cloning and e Submitted (JUL-1996) to
                                                                                                                                                                                                                                      Cercopithecus aethiops (Green monkey) (Grivet).

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalla; Butheria; Prinates; Catarrhini; Cercopithecidae;

Cercopithecinae; Cercopithecus.
                           SEQUENCE OF 28-424
TISSUE=Blood;
                                                                                                                                                                                                                                                                                                                                          Name=CD4;
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    MEDLINE=93049640; PubMed=1425921;
                                                                                                                                                                                                                   NCBI_TaxID=9534;
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N-linked (GlCNAc...)
N-linked (GlCNAc...)
By similarity.
By similarity.
Sysimilarity.
S-palmitoyl cysteine (S-palmitoyl Cysteine (S-p
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Pred. No. 4.3e
L9; Mismatches
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No. 4.3e-126;
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                                                                                                                    green monkey CD4.";
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         EMBL; AF001226; AAB60873.1; -.

R EMBL; AF001228; AAB60875.1; -.

R EMBL; AF001228; AAB60875.1; -.

R EMBL; AF001228; AACC5124.1; -.

R HSSP; P01730; IMIQ.

GO; GO:0042101; C:T-cell receptor complex; ISS.

GO; GO:0042101; C:T-cell receptor activity; ISS.

GO; GO:0042289; F:MC class II protein binding; ISS.

GO; GO:0042289; F:MC class II protein binding; ISS.

GO; GO:0042289; F:McClass II protein binding; ISS.

GO; GO:0045086; P:positive regulation of interleukin-2 bid

GO; GO:0045086; P:T-cell differentiation; ISS.

GO; GO:0045086; P:T-cell selection; ISS.

R GO; GO:0045086; P:T-cell selection
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EMBL; X73322;
EMBL; AF001226
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DISULFID
DISULFID
                                                                                                                                                                                                                                                                                                                                                                            Pfam; PF00047; ig; 2.
PfINTS; PR00692; CD4TCANTIGEN.
PROSITE; PS50835; IG_LIKE; 1.
Glycoprotein; Immune response;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
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immunodeficiency virus.";
Eur. J. Immunol. 22:2973-2981(1992).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Nuclear gene trees and the phylogenetic mangabeys (Primates: Papionini).";
Mol. Biol. Evol. 15:892-900(1998).
-I- FUNCTION: Accessory protein for MHC c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE OF 28-424 FROM N.A.

TISSUE-Peripheral blood;
MEDLINE-98017879; PubMed=9379478;
MEDLINE-98017879; PubMed=9379478;
Fomsgaard A., Mueller-Trutwin M.C., Diop O., Hansen J.,
Corbet S., Barre-Sinoussi F., Allan J.S.;
Corbet S., Barre-Binoussi F., Allan J.S.;
Their respective simian immunodeficiency virus genes.";
                                                                                                                                                                                                                                                                                                                                                              Glycoprotein;
Palmitate; Rep
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Harris E.E., Disotell T.R.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE OF 107-192 FROM N.A.
MEDLINE=98320644; PubMed=9656488;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Biol. Evol. 15:892-900(1998).

FUNCTION: Accessory protein for MHC class-II antigen/T-cell receptor interaction. May regulate T-cell activation. SUBUNIT: Associates with p56-lck (By similarity).

SUBCELLULAR LOCATION: Type I membrane protein.

SIMILARITY: Contains 3 immunoglobulin-like C2-type domains.

SIMILARITY: Contains 1 immunoglobulin-like V-type domain.
                                                                                                                                                                                                                                                                                                                                       Repeat;
       26
419
419
126
126
1204
3184
3281
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411
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CAA51748.1;
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    Johnson
Potential:
Cytoplasmic (Potenti.
Ig-like V-type.
Ig-like C2-type 1.
Ig-like C2-type 2.
Ig-like C2-type 3.
N-linked (GlcNac.
N-linked (GlcNac.)
By similarity.
By similarity.
                                                                                                                                                                                                                                                                                        By similarity.
T-cell surface of
Extracellular ()
                                                                                                                                                                                                                                                                                                                                                                                    Immunoglobulin domain; Lipoprotein;
                                                                                                                                                                                                                                                                                                                                                              Transmembrane.
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(Potential).
(Potential).
(Potential).
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Best Local S
Matches 352
MEDIJINE-3049640; PubMed=1425921;

Pomsgaard A., Hirsch V.M., Johnson P.R.;

"Cloning and sequences of primate CD4 molecules: diversity of the cellular receptor for simian immunodeficiency virus ";

Eur. J. Immunol. 22:2973-2981(1992).

-i- FUNCTION: Accessory protein for MHC class-II antigen/T-cell receptor interaction. May regulate T-cell activation.

-i- SUBUNIT: Associates with p56-lck (By similarity).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ERYPA
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Q08339;
01-FEB-1995
01-FEB-1995
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LIPID
CONFLICT

                                                                                                                                                                                                                                Cercopithecinae;
NCBI_TaxID=9538;
                                                                                                                                                                                                                                                                  Erythrocebus patas
Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                     01-FEB-1995 (Rel. 31, Created)
01-FEB-1995 (Rel. 31, Last sequence update)
05-JUL-2004 (Rel. 44, Last annotation update)
7-cell surface glycoprotein CD4 (T-cell surface
                                                                                                                                                                            SEQUENCE FROM
TISSUE=Blood;
                                                                                                                                                                                                                                                                                                                        Name=CD4;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LEAKTGKLHQEVNLVVMRATQLQKNLTCEVWGPTSPKLMLSLKLENKEAKVSKREKPVWV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        QAERASSSKSWITFDLKNKEVSVKQVTQDPKLQMGKKLPLNLTLPQALPQYAGSGNLTLA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            QAERASSSKSWITFDLKNKEVSVKRVTQDPKLQMGKKLPLHLTLPQALPQYAGSGNLTLA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LNPEEGMWQCLLSDSGQVLLESNIKVLPTWPTPV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LEAKTGKLHQEVNLVVMRATQFQENLTCEVWGPTSPKLMLSLKLENKAATVSKQAKAVWV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TWTCTVSQDQNTVEFKIDIMVLAFQKASSTVYKKEGEQVEFSFPLAFTLEKLTGSGELWW
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MNRGVPFRHILLVLQLALLPAATQGNKVVLGKKGDTVELTCTASQKKSIQFHWKNSNQIK
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; Chordata; Craniata; Vertebrata; Euteleostomi;
; Primates; Catarrhini; Cercopithecidae;
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S-palmitoyl cysteine (By simila S-palmitoyl cysteine (By simila K-palmitoyl cysteine (By simila K-p (in Ref. 2 and 3, AAB60873).

I -> T (in Ref. 3, AAB60873).

K -> E (in Ref. 1).

G -> V (in Ref. 2 and 3).

F -> L (in Ref. 3, AAB60873).
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. 2 and 3).
. 3; AAB60873).
. 3; AAB60873).
. 3; AAB60873).
. 3; AAB60873).
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; AAB60875).
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InterPro; IPR00973; CD4_TCAg.
InterPro; IPR00973; CD4_TCAg.
InterPro; IPR007110; Ig_Tike.
InterPro; IPR003596; Ig_v.
Pfam; PP00047; Ig; 2.
PRINTS; PR00692; CD4TCANTIGEN.
SMART; SM00406; IGv; 1.
SMART; SM00406; IGv; 1.
PROSITE; PS50835; IG_LIKE; 1.
Glycoprotein; Immune response; Immunoglobulin doi
Palmitate; Repeat; T-cell; Transmembrane.
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Palmitate; Repeat; 7
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DISULFID
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SEQUENCE
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DISULFID
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EMBL; X73324; CAA51750.1; HSSP; P01730; 1WIQ.
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GO:0042101; C:T-cell receptor complex; ISS.

GO:0015026; F:coreceptor activity; ISS.

GO:0015026; F:coreceptor activity; ISS.

GO:0042289; F:MHC class II protein binding; ISS.

GO:006955; P:immune response; ISS.

GO:0045086; P:positive regulation of interleukin-2

GO:0030217; P:T-cell differentiation; ISS.

GO:0045058; P:T-cell selection; ISS.

GO:0045058; P:Transmembrane receptor protein tyrosi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SUBCELLULAR LOCATION: Type I membrane protein. SIMILARITY: Contains 3 immunoglobulin-like C2-type SIMILARITY: Contains 1 immunoglobulin-like V-type c
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                       QDPKLQMGKKLPLHLTLPQALPQYAGSGNLTLALEAKTGKLHQEVNLVVMRATQLQKNLT
                                                                                                    SSIVYKKEGEQVEFSFPLAFTVEKLTGSGELWWQAERASSSKSWITFDLKNKEVSVKRVT
                                                                                                                                                                                  GSSPSVQCRSPRGKNIQGGKTLSVSQLELQDSGTWTCTVLQNQKKVEFKIDIVVLAFQKA
                                                                             SSTVYKKEGEQVEFSFPLAFTLEKLTGSGELWWQAERASSSKSWITFDLKNKEVSVKRVT
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Cytoplasmic (Potential).

Ig-like V-type.

Ig-like C2-type 1.

Ig-like C2-type 2.

Ig-like C2-type 3.

N-linked (GlCNAC...) (B)
N-linked (GlCNAC...) (B)
Sy similarity.
By similarity.
By similarity.
S-palmitoyl cysteine (By s-palmitoyl cysteine (B
                                                                                                                                                                                                                                                                                                                                                                                                           15;
                                                                                                                                                                                                                                                                                                                                                                                                      Score 1717; DB 1;
Pred. No. 1.6e-117;
L5; Mismatches 22;
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CD4_CERTO STAN

CD4_CERTO STAN

AC Q08336;

DT CD4_CET-1996 (Rel. 3

DT 01-CCT-1996 (Rel. 3

DT 01-CCT-1996 (Rel. 3

DT 01-CCT-1996 (Rel. 4

DE T-Gell SULFace 9lyc

GN Names-CD4;

CC Cercopithecinae; Ce

NAMEDLINE=93049640; P

RA PENDELNE=93049640; P

RA POMSBART AL, Hirsc

RT ISSUE=Blood;

RX MEDLINE=93049640; P

RA POMSBART AL, Hirsc

RT Cloning and sequen

CC III SUMCILIVIAN LOCE

RT IMMUNODEFICION: Access

CC -1- SUBURITY: Con

CC -1- SUBCILIVIAN LOCE

CC -1- SUBCILINE

CC C C -1- SUBCILINE

CC C C C LOCE

CC -1- SUBCILIVIAN LOCE

CC -1- SUB
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                                                                                                                                                                                                                                                                                                                  RMBL; X73328; CAAS1754.1; -.

R HSSP; P01730; IMIQ.

R HSSP; P01730; IMIQ.

R HSSP; P01730; IMIQ.

R GO; GO:0042101; C:T-ccell receptor complex; ISS.

R GO; GO:0015056; F:coreceptor activity; ISS.

R GO; GO:0042289; F:MHC class II protein binding; ISS.

R GO; GO:0045086; P:immune response; ISS.

R GO; GO:0045086; P:immune response; ISS.

R GO; GO:0045086; P:immune response; ISS.

R GO; GO:004508; P:T-ccell differentiation of interleukin-2 biosyn. ..

R GO; GO:0030217; P:T-ccell differentiation; ISS.

R GO; GO:0045058; P:T-ccell selection; ISS.

R GO; GO:0045058; P:T-ccell selection; ISS.

R GO; GO:0045058; P:T-ccell selection; ISS.

R GO; GO:0007159; P:Transmembrane receptor protein tyrosine kin. ..

R InterPro; IPR000973; CD4 TCAg.

R InterPro; IPR000971; Ig-like.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the Buropean Bioinformatics Institute. There are no restrictions on it use by non-profit institutions as long as its content is in no was modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDLINE=93049640; PubMed=1425921;

Formsgaard A., Hirsch V.M., Johnson P.R.;

"Cloning and sequences of primate CD4 molecules: diversity of the cellular receptor for simian immunodeficiency virus/human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Cercocebus torquatus atys (Red-crowned mangabey) (Sooty mangabey) Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Cercopithecidae; Cercocebus.
NCBI_TaxID=9531;
                                                                                                                                                                                                                                                        InterPro; IPR008424; CD2.
InterPro; IPR000973; CD4 TCA9.
InterPro; IPR007110; Ig-Tike.
InterPro; IPR003596; Ig_v.
Pfam; PP00047; 1g; 2.
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T-cell surface glycoprotein CD4 (T-cell surface antigen T4/Leu-3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        immunodeficiency virus.";
Eur. J. Immunol. 22:2973-2981(1992).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FUNCTION: Accessory protein for MHC class-II antigen/T-cell receptor interaction. May regulate T-cell activation. SUBUNIT: Associates with p56-lck (By similarity). SUBCELLULAR LOCATION: Type I membrane protein. SIMILARITY: Contains 3 immunoglobulin-like C2-type domains. SIMILARITY: Contains 1 immunoglobulin-like V-type domain.
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                                                                                                                                                                                               ; PR00692; CD4TC;
SM00406; IGV; 1
                                                                                              PS50835; IG_LIKE; 1.
tein; Immune response; Immunoglobulin
e; Repeat; T-cell; Transmembrane.
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34, Last sequence update)
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      369
391
                                                                                          Transmembrane.
      Extracellular Potential.
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01-JUL-1997 (TrEMBLrel.
01-OCT-2003 (TrEMBLrel.
CD4 (Fragment).
                                                                                                                                                                                                                009261;
01-JUL-1997
SEQUENCE FROM N.A.
MEDLINE=98017879; PubMed=9379478;
Fomsgaard A., Muller-Trutwin M.C.,
                                                                                                Cercopithecus sabaeus.
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Cercopithecidae;
                                                                                                                                                                                                                                                  009261
                                                             Cercopithecinae;
NCBI_TaxID=60711;
                                                                                                                                                  Name=CD4;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SSIVYKKEGEQVEFSFPLAPTVEKLTGSGELWWQAERASSSKSWITFDLKNKEVSVKRVT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          QDPKLQMGKKLPLHLTLPQALPQYAGSGNLTLALEAKTGKLHQEVNLVVMRATQLQKNLT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SSTVYKKEGEQVEFSFPLAFTLEELTGSGELWWQAERASSSKSWITFDLKNKEVSVKRVT
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397 AA;
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                                                                                  Cercopithecus
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By similarity.
By similarity.
Systeine (Systeine)
Syspalmitoyl cysteine (Missing.
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V -> M.
R -> K.
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 O., Hansen J.,
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GO; GO:0016021; C::Integral to membrane; IEA.
GO; GO:0007155; P::Immune response; IEA.
GO:0006955; P::Immune response; IEA.
InterPro; IPR008424; CD2.
InterPro; IPR000973; CD4 TCA9.
InterPro; IPR000110; Ig-Tike.
InterPro; IPR000110; Ig-Tike.
InterPro; IPR0003596; Ig-V.
Pfam; PF00047; 19; 1-
Pfam; PF00047; 19; 1-
PFAINTS; PR00692; CD4TCANTIGEN.
SNART; SM00406; IGV; 1.
PROSITE; PS50835; IG_LIKE; 1.
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                                                                                                                                                                                                     O09260 PRELIMINARY;

O09260;

O1-JUL-1997 (TrEMBLrel. 0

O1-JUL-1997 (TrEMBLrel. 0

O1-OCT-2003 (TrEMBLrel. 2

CD4 (Fragment).
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"Relation between phylogeny of African green monkey CD4
their respective simian immunodeficiency virus genes.";
J. Med. Primatol. 26:120-128(1997).
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HSSP; P01730; 1WIQ.
GO; GO:0016021; C:integral t
GO; GO:0007155; P:cell adhes
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                                                                            Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Cercopithecidae;
Cercopithecinae; Cercopithecus.
NCBI_TaxID=60711;
                     SEQUENCE FROM N.A. MEDLINE=98017879;
                                                                                                                                                                  Cercopithecus sabaeus
    Fomsgaard A., Muller-Trutwin
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ler-Trutwin M.C.,
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InterPro; IPR00873; CD4 TCAG.
InterPro; IPR000973; CD5 Tike.
InterPro; IPR007110; Ig-Tike.
InterPro; IPR007110; Ig-Y.
Pfam; PP00790; C2-eet; 2.
Pfam; PP00047; ig; 11.
PRINTS; PR00692; CD4TCANTIGEN.
SMART; SM00406; IGV; 1.
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01-DEC-2001
01-OCT-2003
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                              Cercopithecus pygerythrus (Vervet monkey).
Eukaryota; Metazoa; Chordata; Craniata; Ve
Mammalia; Eutheria; Primates; Catarrhini;
Cercopithecinae; Cercopithecus.
NCBI TaxID=60710;
[1]
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  MEDLINE-98017879; PubMed=9379478; MEDLINE-98017879; Miller-Trutwin M.C.,
                                                                                     Name=CD4;
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89.6%; Pred. No. 2.4e
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InterPro; IPR00973; CD4 TCAg.
InterPro; IPR007310; Ig-Tike.
InterPro; IPR007596; Ig v.
Pfam; PP05790; C2-set; Z.
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PRINTS; PR00692; CD4TCANTIGEN.
SMART; SM00406; IGv; 1.
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SEQUENCE
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Cercopithecus sabaeus.
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01-JUL-1997 (TrEMBLrel.
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CD4 (Fragment)
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   SEQUENCE FROM N.A.
MEDLINE=98017879; PubMed=9379478;
Fomsgaard A., Muller-Trutwin M.C.,
                                                                                                                         Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Cercopithecidae; Cercopithecinae; Cercopithecus.
NCBI_TaxID=60711;
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HSSP; P01730; 1WIQ.
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397 AA; 43946 MW;
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89.6%; Pred. No. 2.8e-116;
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      Hansen J., Mathiot
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GO; GO:0007155; P:cell adhesion; IEA.
GO; GO:0006955; P:munune response; IEA.
InterPro; IPR008424; CD2.
InterPro; IPR00973; CD4 TCAg.
InterPro; IPR00973; CJ5 Tike.
InterPro; IPR009710; Ig-Tike.
InterPro; IPR00979; C2-set; 2.
Pfam; PF05790; C2-set; 2.
Pfam; PF05790; C2-set; 2.
Pfam; PF05790; C2-set; 1.
PRINTS; PR00602; CD4TCANTIGEN.
SMART; SM00406; IGv; 1.
PROSITE; PS00835; IG_LIKE; 1.
PROSITE; PS00835; IG_LIKE; 1.
PRONTER 397 397
SEQUENCE 397 AA; 43881 MW; 7CE39AD0F85
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01-JUL-1997 (TrEMBLrel. 04,
01-JUL-1997 (TrEMBLrel. 04,
01-OCT-2003 (TrEMBLrel. 25,
                                                                                                                                                         Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Cercopithecidae;
Cercopithecinae; Cercopithecus.
                                                                                                                                                                                                                                                                                                                   CD4 (Fragment).
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"Relation between phylogeny of African green monkey CD4
their respective simian immunodeficiency virus genes.";
J. Med. Primatol. 26:120-128(1997).
SEQUENCE FROM N.A.
MEDLINE=98017879; PubMed=9379478;
Fomsgaard A., Muller-Trutwin M.C.,
                                                                                                                     Cercopithecinae;
NCBI_TaxID=60712;
                                                                                                                                                                                                                                                            Cercopithecus tantalus.
                                                                                                                                                                                                                                                                                      Name=CD4;
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89.4%; Pred. No. 5.5e-116;
Live 17; Mismatches 22;
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GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0006155; P:cell adhesion; IEA.
GO:0006955; P:dimmune response; IEA.
InterPro; IPR008424; CD2.
InterPro; IPR000973; CD4 TCAG.
InterPro; IPR000110; Ig-Tike.
InterPro; IPR0001596; Ig_v.
Pfam; PF00047; 1g; 1.
Pfam; PF00047; 1g; 1.
PRINTS; PR00692; CD4TCANTIGEN.
SMART; SM00406; IGv; 1.
PROSITE; PS50835; IG_LIKE; 1.
NON TER 397 397
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01-JUL-1997 (TIEMBLICEL 0
01-JUL-1997 (TIEMBLICEL 0
01-OCT-2003 (TIEMBLICEL 2
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"Relation between phylogeny of African green monkey CD4 their respective simian immunodeficiency virus genes.";
J. Med. Primatol. 26:120-128(1997).
EMBL; AF001222; AAB60869.1; -.
EMSE; P01730; 1WIQ.
                                                           Cercopithecus tantalus.
Eukaryota; Metazoa; Chordata; (
Mammalia; Butheria; Primates; (
Cercopithecinae; Cercopithecus.
                                                                                                                       CD4 (Fragment).
                                                                                                            Name=CD4;
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MEDLINE=98017879; PubMed=9379478; Fomsgaard A., Muller-Trutwin M.C.,
           SEQUENCE FROM N.A. MEDLINE=98017879;
                                            NCBI_TaxID=60712;
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397 AA; 43994 MW;
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89.4%; Pred. No. 5.5e-116;
rive 15; Mismatches 24;
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                                                                        Craniata; Vertebrata; Euteleostomi; Catarrhini; Cercopithecidae;
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GO; GO:0001015; P:cell adhesion; IEA.
GO; GO:000695; P:immune response; IEA.
InterPro; IPR008424; CD2.
InterPro; IPR008424; CD2.
InterPro; IPR00973; CD4 TCAg.
InterPro; IPR00973; CD4 TCAg.
InterPro; IPR009556; Ig v.
Pfam; PF05790; C2-set; Z.
Pfam; PF05790; C2-set; Z.
Pfam; PF00592; CD4TCANTIGEN.
SMART; SM00406; IGv; 1.
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SEQUENCE 397 AA; 43954 MW; CF7F2F5D823
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HSSP; P01730; 1WIQ.
GO; GO:0016021; C:integral t
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"Relation between phylogeny of African green monkey CD4
their respective simian immunodeficiency virus genes.";
J. Med. Primatol. 26:120-128(1997).
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89.4%; Pred. No. 1.8e-115;
89.4%; Mismatches 24;
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